

# **mistr\_view 4.0: A Tool for Visualizing MISR data**

**SDP/HDF-EOS Workshop  
Feb. 28, 2002**

**Nancy A. Ritchey, ASDC**

**Charles K. Thompson, JPL**

**Jeffrey R. Hall, JPL**



# What is misr\_view?



- Portable visualization and analysis tool
- Requires IDL 5.4
- Supported platforms
  - Windows NT and Alpha NT
  - Sun/Solaris and SGI/IRIX
  - may work on Linux and Mac OSX

# More Information



- Software and Users Guide available from  
<http://www-misr.jpl.nasa.gov/software/>
- MISR and AirMISR information  
<http://eosweb.larc.nasa.gov>

# What's new to misr\_view 4.0?



- Data transform utility
  - allows mathematical formulas to be applied to data
  - transforms are stored in editable ASCII files
  - accommodates access and application of HDF-EOS grid attribute metadata values
- Map projection tool
  - reproject data into any IDL-supported projection
  - reproject data from linked windows into same projection
  - multiple georeferenced data can be reprojected into the same projection

# New Features Cont.



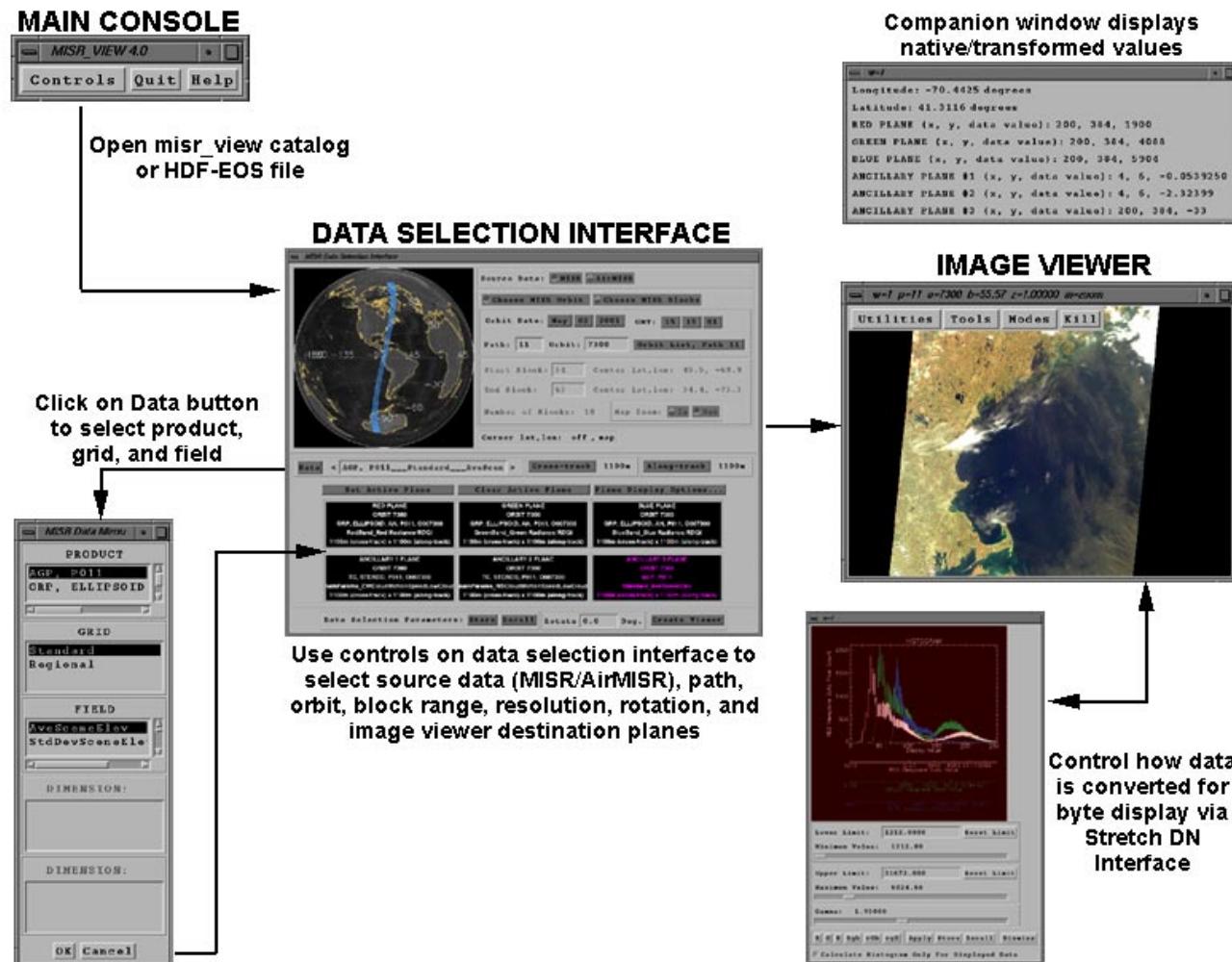
- Vector overlay tool
  - Display any vector-based data over images  
Ex. wind speed/direction
- Color bar utility
  - Select any IDL color palette
  - Pseudo-coloring single bands of data
  - Modify annotation
  - Resize

# New Features Cont.

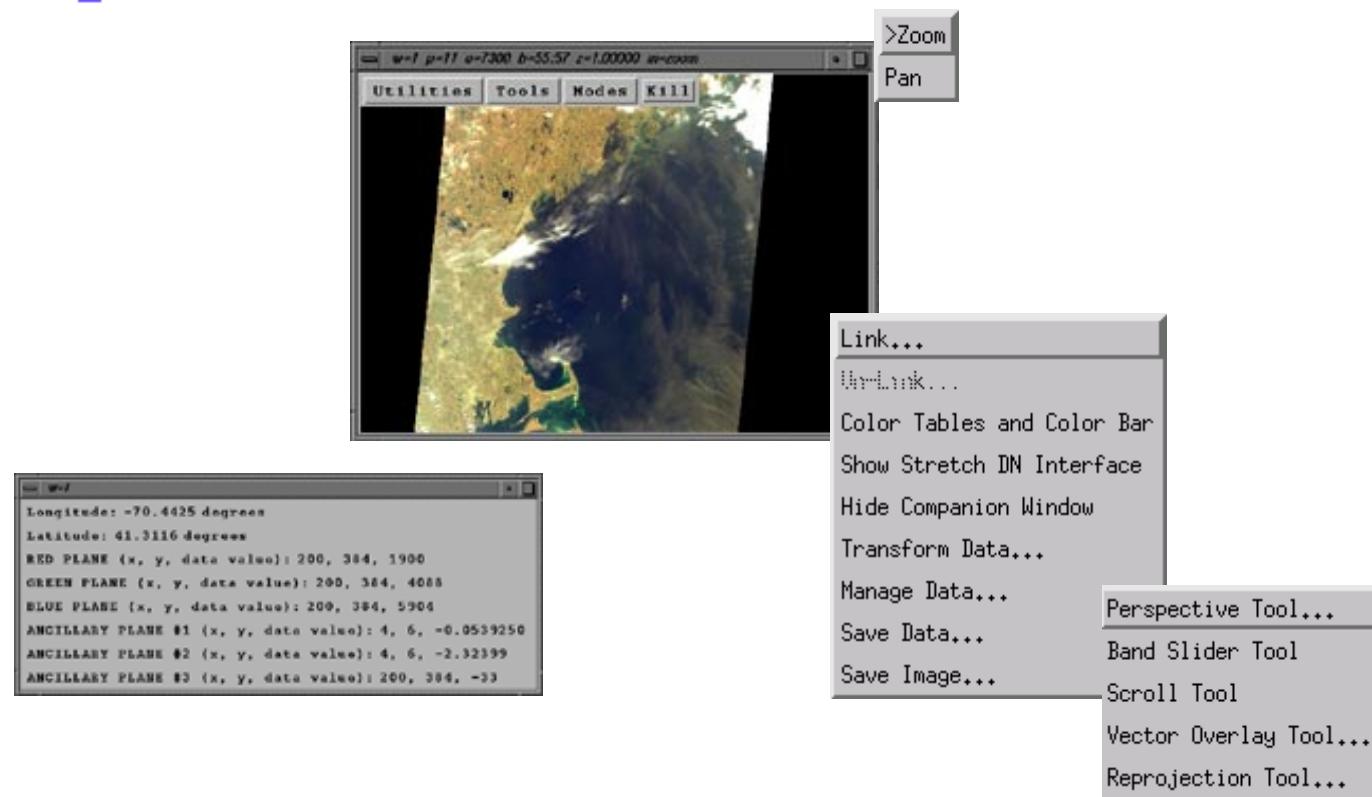


- Data selection save/recall capability
  - allows “state” of data selection interface to be saved and recalled

# Basic Operation



# Utilities and Tools

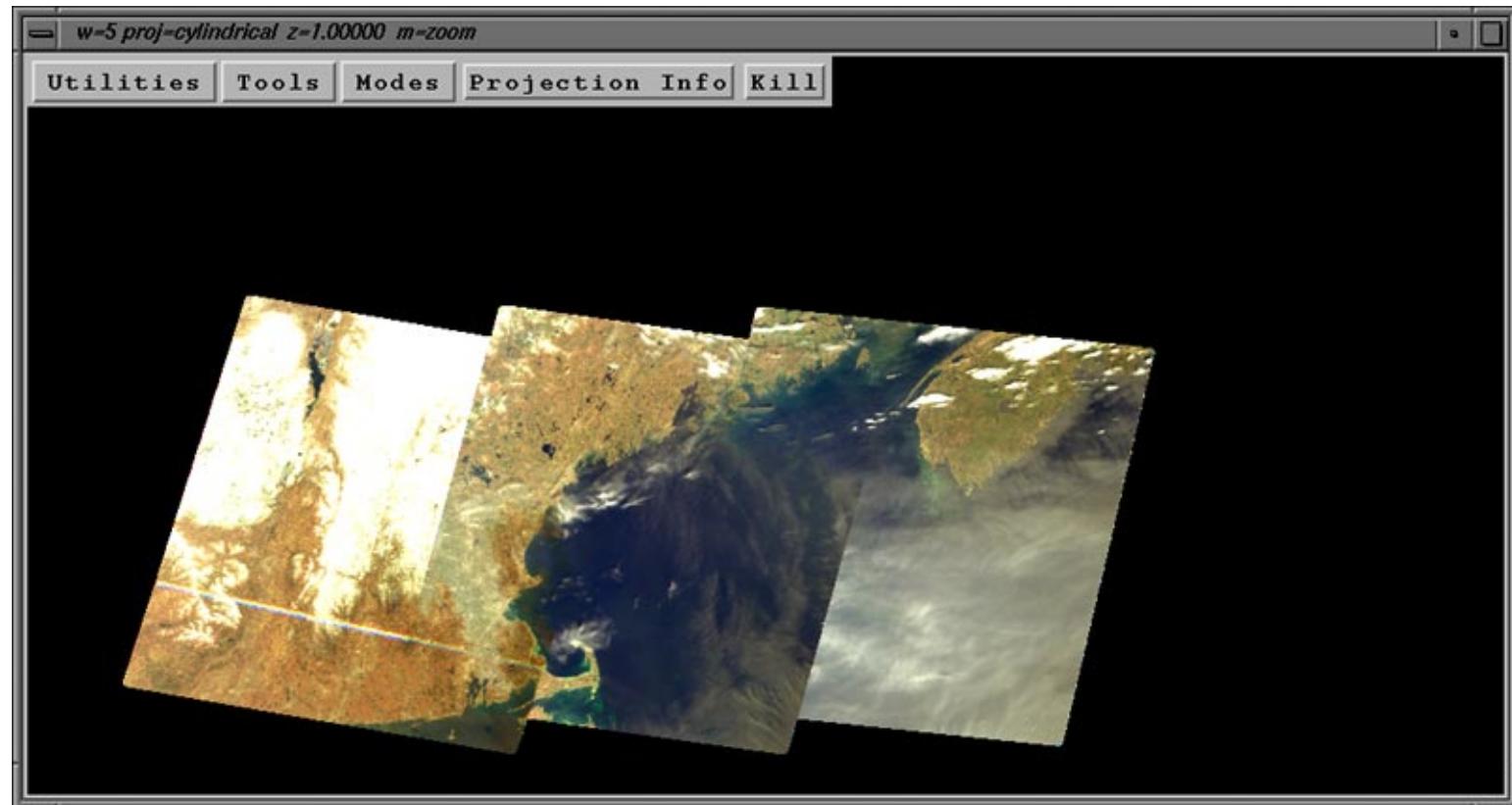


# Other Functions

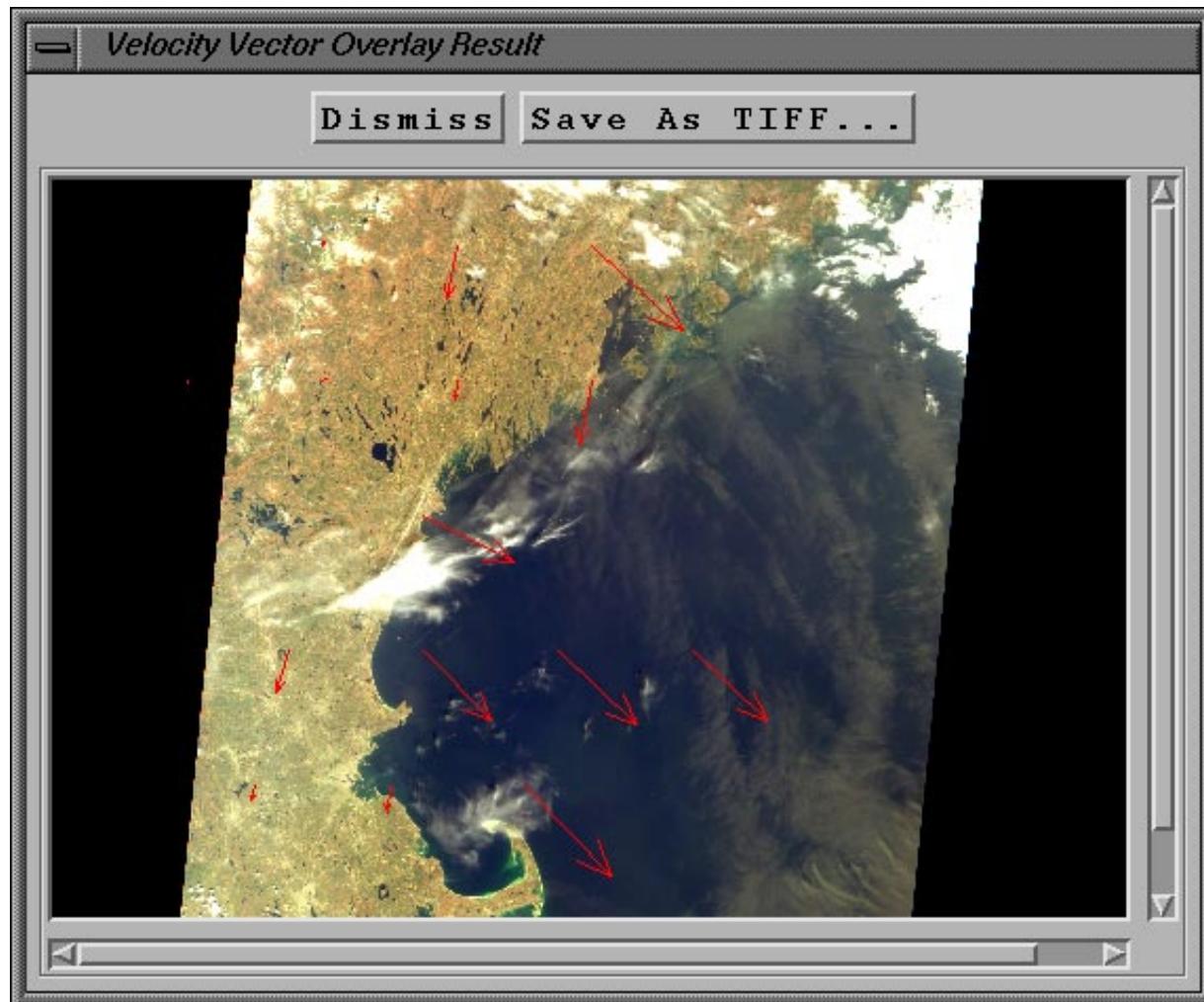


- Store/Recall all options in the data selection interface
  - especially useful if the same parameters need to be accessed frequently
- Rotate data
  - required for viewing stereo anaglyphs

# Reprojection Example



# Velocity Vector Example



Feb. 2002

11

• RADIATION BUDGET • CLOUDS • AEROSOLS • TROPOSPHERIC CHEMISTRY •

# Questions?



• Langley Atmospheric Sciences Data Center •